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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/676,115	10/02/2003	Lien-Jin Chiang	CHIA3057/EM	6034
	23364 7	590 10/03/2005		EXAMINER	
	BACON & THOMAS, PLLC			BUI, HUNG S	
	625 SLATERS	625 SLATERS LANE FOURTH FLOOR		r	
	FOURTH FLO			ART UNIT	PAPER NUMBER
	ALEXANDRIA, VA 22314			2841	
			DATE MAILED, 10/02/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/676,115	CHIANG ET AL.			
Office Action Summary	Examiner	Art Unit			
	Hung S. Bui	2841			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) ⊠ Responsive to communication(s) filed on 27 Journal 22 (a) ☐ This action is FINAL . 2b) ☑ This 3) ☐ Since this application is in condition for alloward closed in accordance with the practice under Expression (b) ☐ This action is application in a condition for alloward closed in accordance with the practice under Expression (b) ☐ This action is a condition for alloward closed in accordance with the practice under Expression (c) ☐ This action is a condition for alloward closed in accordance with the practice under Expression (c) ☐ This action is a condition for alloward closed in accordance with the practice under Expression (c) ☐ This action is a condition for alloward closed in accordance with the practice under Expression (c) ☐ This action is a condition for alloward closed in accordance with the practice under Expression (c) ☐ This action is a condition for all one conditions for all on	s action is non-final. nce except for formal matters, pr				
Disposition of Claims					
4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) 9-20 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers					
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on <u>07/27/05</u> is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summar Paper No(s)/Mail [5] Notice of Informal 6) Other:				

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DETAILED ACTION

Election/Restrictions

1. Claims 7 and 9-20 are withdrawn from further consideration pursuant to 37 CFR

1.142(b), as being drawn to a nonelected specie, there being no allowable generic or

linking claim. Applicant timely traversed the restriction (election) requirement in the

reply filed on 07/27/2005.

2. Applicant's election with traverse of restriction species in the reply filed on

07/27/2005 is acknowledged. The traversal is on the ground(s) that figures 3 and 4

show the same embodiment and that all the embodiment are based on the same

inventive ideas with only locations of the airflow channel being different. This is not

found persuasive because each of the different embodiments necessitate additional

considerations. Examiner agrees that figures 3 and 4 show the same embodiment.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

4. Claims 1-3, 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Mayer

[US 4,399,484].

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Regarding claim 1, Mayer discloses an electronic apparatus (figure 1) with natural convection structure, comprising:

a main body (10) to be placed on a surface, the main body having an airflow channel piercing through the main body from a top surface (16) to a bottom surface (15) thereof; and

a supporting device (18) disposed on the bottom surface of the main body.

Regarding claim 2, Mayer discloses at least a printed circuit board (20) disposed in the main body and having an opening (22), wherein the centroids of the opening and the airflow channel are positioned at the same axis vertical to the top surface and the bottom surface.

Regarding claim 3, Mayer discloses a plurality of airflow channels, and the printed circuit board has plural the openings correspondingly (figure 1).

Regarding claim 6, Mayer discloses the distances from the airflow channel to the edges of the main body are substantially equal (figure 1).

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer.

Regarding claim 4, Mayer discloses the instant claimed invention except for the specific height of the support device.

The specific height of the support device of Mayer would have been an obvious design consideration based on the size of the support device to be used with the specific size of the electronic apparatus.

7. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer in view of Chuang [US 2004/0095713].

Regarding claim 5, Mayer discloses the instant claimed invention except for the electronic apparatus being formed of a power supply.

Chuang discloses an electronic apparatus (3, figure 3) having a plurality of ventilation holes (34) mounted thereon and being formed of a power supply.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to form the electronic apparatus of Mayer for a power supply, as suggested by Chuang, for the purpose of dissipating heat.

Allowable Subject Matter

- 8. Claim 8 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 9. The following is a statement of reasons for the indication of allowable subject matter: The cited reference fail to teach of suggest the electronic apparatus including an airflow channel being integrally formed with the body of the electronic apparatus.

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Conclusion

10. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure Schweers et al. [US 6,094,346].

11. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Hung S. Bui whose telephone number is (571) 272-

2102. The examiner can normally be reached on Monday-Friday 8:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

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Business Center (EBC) at 866-217-9197 (toll-free).

9/23/05

Hung Bui

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